

CLAIMS:

1. A system for point-to-point wireless transmission of digital data comprising:

a data collecting device, the data collecting device including a first serial data interface for outputting serial data;

a first wireless modem operatively connected to the data collection device, including means for processing serial data received from the serial data interfaces, means for converting the data to a format compatible with wireless transmission and means for transmitting the data; and

a second wireless modem, for receiving transmissions from the first modem, said second modem being operatively connected to a second serial interface, the second wireless modem including means for processing said transmissions and transmitting the data across the second serial interface.

2. The system of Claim 1 wherein the serial data interfaces are RS232 serial data interfaces.

3. The system of Claim 1 wherein the first and second wireless modems are Cellular Digital Packet Data modems.

4. The system of Claim 1 wherein the data collection device comprises process instrumentation.

5 5. The system of Claim 1 further comprising a computer for receiving data from the second serial data interface.

6. The system of Claim 1 further comprising a plurality of data collecting devices.

10 7. The system of Claim 1 wherein the data collection device comprises a temperature monitor.

8. The system of Claim 1 wherein the data collection device comprises a pressure monitor.

15 9. The system of Claim 1 wherein the data collection device comprises a flow monitor.

10. A system for point-to-point wireless transmission of data comprising:

a data collecting device, the data collecting device including an RS232 serial data interface for outputting serial data;

5 a first wireless CDPD modem operatively connected to the data collecting device, including means for processing serial data received from the first RS232 serial data interface, means for converting the data to a format compatible with CDPD wireless transmission and means for transmitting the data; and

10 a second CDPD modem, for receiving transmissions from the first modem, said second CDPD modem being operatively connected to a second RS232 serial data interface, the second CDPD modem including means for processing said transmissions and transmitting the data across the second RS232 serial data interface.

15 11. The system of Claim 10 further comprising a computer for receiving data from the second RS232 serial data interface.

12. The system of Claim 10 further comprising a plurality of data
collecting devices.

13. The system of Claim 10 wherein the data collection device
comprises process instrumentation.

14. The system of Claim 10 wherein the data collection device
comprises a temperature monitor.

15. The system of Claim 10 wherein the data collection device
comprises a pressure monitor.

16. The system of Claim 10 wherein the data collection device
comprises a flow monitor.

17. A system for point-to-point recording process information comprising:

process instrumentation for monitoring process variables, the process instrumentation including an RS232 serial data interface for outputting serial data;

a first wireless CDPD modem operatively connected to the process instrumentation, including means for processing serial data received from the first RS232 serial data interface, means for converting the data to a format compatible with CDPD wireless transmission and means for transmitting the data; and

a second CDPD modem, for receiving transmissions from the first modem, said second CDPD modem being operatively connected to a second RS232 serial data interface, the second CDPD modem including means for processing said transmissions and transmitting the data across the second RS232 serial data interface.

18. The system of Claim 17 wherein the process instrumentation includes flow measurement devices.

5 19. The system of Claim 17 wherein the process instrumentation includes temperature measuring devices.

20. The system of Claim 17 wherein the process instrumentation includes pressure measuring devices.